

Patent Abstracts of Japan

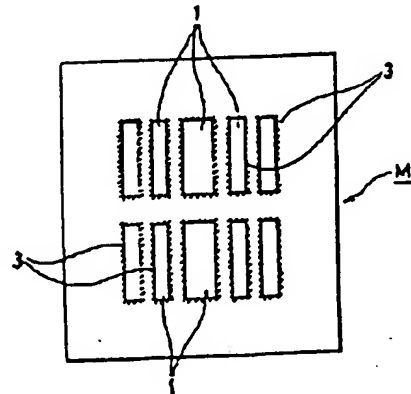
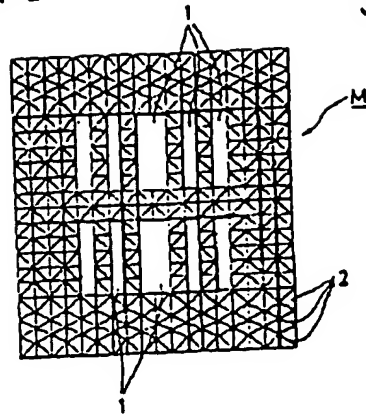
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PATENTEE : TORAY IND INC  
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INVENTOR : NAKANO AKIRA

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TITLE : PRODUCTION OF RESIN MOLDED  
 PRODUCT



ABSTRACT : PURPOSE: To shorten a product developing period and to reduce development cost by determining minute elements so that the flow resistance of a resin becomes large toward the part near to the surface of a mold and correcting the same corresponding to the distance from an edge part and estimating flow distribution to set the shape of a molded product, the shape of the mold and injection conditions.

CONSTITUTION: The shape of a molded product M is divided into minute elements 2 to be inputted to a computer and the minute elements having the edge parts 3 of hole parts 1 are extracted from the divided minute elements 2. The respective minute elements 2 are predetermined so that the flow resistances of a molten resin of them become large toward the surface of a mold and corrected on the basis of an edge resistance correction factor corresponding to the distances from the edge parts 3. Next, molding conditions such as injection pressure, injection temp. or mold temp. and the physical value data of a material are inputted and the analysis of injection molding and filling is performed on the basis of corrected flow resistances to graphically display the analytical result. The flow passing through the hole parts is delayed by the flow resistances of the edge parts 3. As a result, the shape data or input condition of molded product is altered if necessary.